STIC Biotechnology Systems Branch

RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/563,310
Source: IFW
Date Processed by STIC: 2/21/07

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:
1) **INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,**
2) **TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY**

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO **REDUCE** ERRORED SEQUENCE LISTINGS, **PLEASE** USE THE **CHECKER VERSION 4.4.0 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.
Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.
Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<**http://www.uspto.gov/ebc/efs/downloads/documents.htm**>, **EFS Submission User Manual** - ePAVE)
2. **U.S. Postal Service:** Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. **Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):** U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/10/06

Raw Sequence Listing Error Summary

ERROR DETECTED | **SUGGESTED CORRECTION** | **SERIAL NUMBER:** 10/563,310

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

1	Wrapped Nucleics Wrapped Aminos	The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor **after** creating it. Please adjust your right margin to .3; this will prevent "wrapping."
2	Invalid Line Length	The rules require that a line **not exceed** 72 characters in length. This includes white spaces.
3	Misaligned Amino Numbering	The numbering under each 5th amino acid is misaligned. Do **not** use tab codes between numbers; use **space characters**, instead.
4	Non-ASCII	The submitted file was **not** saved in ASCII(DOS) text, as **required** by the Sequence Rules. **Please ensure your subsequent submission is saved in ASCII text.**
5	Variable Length	Sequence(s)____contain n's or Xaa's representing more than one residue. **Per Sequence Rules, each n or Xaa can only represent a single residue.** Please present the **maximum** number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
6	PatentIn 2.0 "bug"	A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. **This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.**
7	Skipped Sequences (OLD RULES)	Sequence(s) _____ missing. If intentional, please insert the following lines for **each** skipped sequence: (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading) (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) This sequence is intentionally skipped Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to **include** the skipped sequences.
8	Skipped Sequences (NEW RULES)	Sequence(s) _____ missing. If **intentional**, please insert the following lines for **each** skipped sequence. <210> sequence id number <400> sequence id number 000
9	Use of n's or Xaa's (NEW RULES)	Use of n's and/or Xaa's have been detected in the Sequence Listing. Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present. In <220> to <223> section, please explain location of **n** or **Xaa**, and which residue **n** or **Xaa** represents.
10	Invalid <213> Response	Per 1.823 of Sequence Rules, the only **valid** <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is **required** when <213> response is Unknown or is Artificial Sequence. (see item 11 below)
11	Use of <220>	Sequence(s) ___ missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section or use "chemically synthesized" as explanation. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32), also Sec. 1.823 of Sequence Rules
12	PatentIn 2.0 "bug"	Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
13	Misuse of n/Xaa	"n" can **only** represent a single nucleotide; "Xaa" can **only** represent a single amino acid

IFWO

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/563,310

DATE: 02/21/2007
TIME: 14:14:40

Input Set : A:\21013981.ST25.txt
Output Set: N:\CRF4\02212007\J563310.raw

3 <110> APPLICANT: Affibody AB
5 <120> TITLE OF INVENTION: Polypeptides having binding affinity for HER2
7 <130> FILE REFERENCE: P106236PCT
C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/563,310
C--> 10 <141> CURRENT FILING DATE: 2005-12-29
12 <150> PRIOR APPLICATION NUMBER: SE0301987-4
13 <151> PRIOR FILING DATE: 2003-07-04
15 <150> PRIOR APPLICATION NUMBER: SE0400275-4
16 <151> PRIOR FILING DATE: 2004-02-09
18 <160> NUMBER OF SEQ ID NOS: 79
20 <170> SOFTWARE: PatentIn version 3.3
22 <210> SEQ ID NO: 1
23 <211> LENGTH: 58
24 <212> TYPE: PRT
25 <213> ORGANISM: Synthetic polypeptide
27 <400> SEQUENCE: 1
29 Val Asp Asn Lys Phe Asn Lys Glu Gln Gln Asn Ala Phe Tyr Glu Ile
30 1 5 10 15
33 Leu His Leu Pro Asn Leu Asn Glu Glu Gln Arg Asn Ala Phe Ile Gln
34 20 25 30
37 Ser Leu Lys Asp Asp Pro Ser Gln Ser Ala Asn Leu Leu Ala Glu Ala
38 35 40 45
41 Lys Lys Leu Asn Asp Ala Gln Ala Pro Lys
42 50 55
45 <210> SEQ ID NO: 2
46 <211> LENGTH: 58
47 <212> TYPE: PRT
48 <213> ORGANISM: Synthetic polypeptide
50 <400> SEQUENCE: 2
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53 1 5 10 15
56 Gln Ala Leu Pro Asn Leu Asn Trp Thr Gln Ser Arg Ala Phe Ile Arg
57 20 25 30
60 Ser Leu Tyr Asp Asp Pro Ser Gln Ser Ala Asn Leu Leu Ala Glu Ala
61 35 40 45
64 Lys Lys Leu Asn Asp Ala Gln Ala Pro Lys
65 50 55
68 <210> SEQ ID NO: 3
69 <211> LENGTH: 58
70 <212> TYPE: PRT
71 <213> ORGANISM: Synthetic polypeptide
73 <400> SEQUENCE: 3
75 Val Asp Asn Lys Phe Asn Lys Glu Pro Lys Thr Ala Tyr Trp Glu Ile

see pp 1-5

Does Not Comply
Corrected Diskette Needed

invalid response
see item 10 on Error Summary Sheet

RAW SEQUENCE LISTING DATE: 02/21/2007
PATENT APPLICATION: US/10/563,310 TIME: 14:14:40

Input Set : A:\21013981.ST25.txt
Output Set: N:\CRF4\02212007\J563310.raw

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76 1               5                   10                  15
79 Val Lys Leu Pro Asn Leu Asn Pro Glu Gln Arg Arg Ala Phe Ile Arg
80             20                  25                  30
83 Ser Leu Tyr Asp Asp Pro Ser Gln Ser Ala Asn Leu Leu Ala Glu Ala
84         35                  40                  45
87 Lys Lys Leu Asn Asp Ala Gln Ala Pro Lys
88     50                  55
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93 <212> TYPE: PRT
94 <213> ORGANISM: Synthetic polypeptide
96 <400> SEQUENCE: 4
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99 1               5                   10                  15
102 Gln Arg Leu Pro Asn Leu Asn Asn Lys Gln Lys Ala Ala Phe Ile Arg
103             20                  25                  30
106 Ser Leu Tyr Asp Asp Pro Ser Gln Ser Ala Asn Leu Leu Ala Glu Ala
107         35                  40                  45
110 Lys Lys Leu Asn Asp Ala Gln Ala Pro Lys
111     50                  55
114 <210> SEQ ID NO: 5
115 <211> LENGTH: 58
116 <212> TYPE: PRT
117 <213> ORGANISM: Synthetic polypeptide
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125 Tyr Asn Leu Pro Asn Leu Asn Arg Ala Gln Met Arg Ala Phe Ile Arg
126             20                  25                  30
129 Ser Leu Ser Asp Asp Pro Ser Gln Ser Ala Asn Leu Leu Ala Glu Ala
130         35                  40                  45
133 Lys Lys Leu Asn Asp Ala Gln Ala Pro Lys
134     50                  55
137 <210> SEQ ID NO: 6
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139 <212> TYPE: PRT
140 <213> ORGANISM: SYNTHETIC POLYPEPTIDE
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149             20                  25                  30
152 Ser Leu Tyr Asp Asp Pro Ser Gln Ser Ala Asn Leu Leu Ala Glu Ala
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156 Lys Lys Leu Asn Asp Ala Gln Ala Pro Lys
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160 <210> SEQ ID NO: 7
161 <211> LENGTH: 58
162 <212> TYPE: PRT
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RAW SEQUENCE LISTING DATE: 02/21/2007
PATENT APPLICATION: US/10/563,310 TIME: 14:14:40

Input Set : A:\21013981.ST25.txt
Output Set: N:\CRF4\02212007\J563310.raw

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Val Leu Leu Pro Asn Leu Asn Arg Arg Gln Ser Arg Ala Phe Ile Arg
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Ser Leu Tyr Asp Asp Pro Ser Gln Ser Ala Asn Leu Leu Ala Glu Ala
35 40 45
Lys Lys Leu Asn Asp Ala Gln Ala Pro Lys
50 55
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1 5 10 15
Ala Thr Leu Pro Asn Leu Asn Asn Val Gln Lys Arg Ala Phe Ile Arg
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Ser Leu Tyr Asp Asp Pro Ser Gln Ser Ala Asn Leu Leu Ala Glu Ala
35 40 45
Lys Lys Leu Asn Asp Ala Gln Ala Pro Lys
50 55
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Val Leu Leu Pro Asn Leu Asn Pro Gly Gln Ile Arg Ala Phe Ile Arg
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35 40 45
Lys Lys Leu Asn Asp Ala Gln Ala Pro Lys
50 55
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Val Leu Leu Pro Asn Leu Asn Thr Trp Gln Ile Arg Ala Phe Ile Arg
20 25 30
Ser Leu Tyr Asp Asp Pro Ser Gln Ser Ala Asn Leu Leu Ala Glu Ala
35 40 45
Lys Lys Leu Asn Asp Ala Gln Ala Pro Lys
50 55

RAW SEQUENCE LISTING DATE: 02/21/2007
PATENT APPLICATION: US/10/563,310 TIME: 14:14:40

Input Set : A:\21013981.ST25.txt
Output Set: N:\CRF4\02212007\J563310.raw

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Ala Val Leu Pro Asn Leu Asn Pro Ala Gln Lys Arg Ala Phe Ile Arg
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35 40 45
Lys Lys Leu Asn Asp Ala Gln Ala Pro Lys
50 55
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<212> TYPE: PRT
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Ala Leu Leu Pro Asn Leu Asn Asn Gln Gln Lys Arg Ala Phe Ile Arg
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Ser Leu Tyr Asp Asp Pro Ser Gln Ser Ala Asn Leu Leu Ala Glu Ala
35 40 45
Lys Lys Leu Asn Asp Ala Gln Ala Pro Lys
50 55
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<211> LENGTH: 58
<212> TYPE: PRT
<213> ORGANISM: SYNTHETIC POLYPEPTIDE
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Val Gly Leu Pro Asn Leu Asn His Phe Gln Val Arg Ala Phe Ile Arg
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Ser Leu Tyr Asp Asp Pro Ser Gln Ser Ala Asn Leu Leu Ala Glu Ala
35 40 45
Lys Lys Leu Asn Asp Ala Gln Ala Pro Lys
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<211> LENGTH: 58
<212> TYPE: PRT
<213> ORGANISM: SYNTHETIC POLYPEPTIDE
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Val Leu Leu Pro Asn Leu Asn Arg Trp Gln Ile Arg Ala Phe Ile Arg
20 25 30
Ser Leu Tyr Asp Asp Pro Ser Gln Ser Ala Asn Leu Leu Ala Glu Ala

RAW SEQUENCE LISTING DATE: 02/21/2007
PATENT APPLICATION: US/10/563,310 TIME: 14:14:40

Input Set : A:\21013981.ST25.txt
Output Set: N:\CRF4\02212007\J563310.raw

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345 <211> LENGTH: 58
346 <212> TYPE: PRT
347 <213> ORGANISM: SYNTHETIC POLYPEPTIDE
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352 1               5                   10                  15
355 Ala Leu Leu Pro Asn Leu Asn Asn Met Gln Lys Arg Ala Phe Ile Arg
356             20                  25                  30
359 Ser Leu Tyr Asp Asp Pro Ser Gln Ser Ala Asn Leu Leu Ala Glu Ala
360         35                  40                  45
363 Lys Lys Leu Asn Asp Ala Gln Ala Pro Lys
364     50                  55
367 <210> SEQ ID NO: 16
368 <211> LENGTH: 58
369 <212> TYPE: PRT
370 <213> ORGANISM: SYNTHETIC POLYPEPTIDE
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374 Val Asp Asn Lys Phe Asn Lys Glu Phe Arg Lys Ala Tyr Trp Glu Ile
375 1               5                   10                  15
378 Val Val Leu Pro Asn Leu Asn Arg Met Gln Ile Arg Ala Phe Ile Arg
379             20                  25                  30
382 Ser Leu Tyr Asp Asp Pro Ser Gln Ser Ala Asn Leu Leu Ala Glu Ala
383         35                  40                  45
386 Lys Lys Leu Asn Asp Ala Gln Ala Pro Lys
387     50                  55
390 <210> SEQ ID NO: 17
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392 <212> TYPE: PRT
393 <213> ORGANISM: SYNTHETIC POLYPEPTIDE
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402             20                  25                  30
405 Ser Leu Tyr Asp Asp Pro Ser Gln Ser Ala Asn Leu Leu Ala Glu Ala
406         35                  40                  45
409 Lys Lys Leu Asn Asp Ala Gln Ala Pro Lys
410     50                  55
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415 <212> TYPE: PRT
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418 <400> SEQUENCE: 18
420 Val Asp Asn Lys Phe Asn Lys Glu Met Arg Thr Ala Tyr Trp Glu Ile
421 1               5                   10                  15
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please correct this error in subsequent sequences.

VERIFICATION SUMMARY DATE: 02/21/2007
PATENT APPLICATION: **US/10/563,310** TIME: 14:14:41

Input Set : **A:\21013981.ST25.txt**
Output Set: **N:\CRF4\02212007\J563310.raw**

L:9 M:270 C: Current Application Number differs, Replaced Current Application Number
L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date